

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6399548").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:23
S2	1	("7012045").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:25
S3	1	("6399548").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:25
S4	1	("6803350").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:26
S5	1	("7012045").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:26
S6	1181	aoyagi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:26
S7	0	aoyagi-edward.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:27
S8	86	aoyagi.in. and (friction or frictional)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:27
S9	4	aoyagi.in. and (friction or frictional) near2 fluid	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:28
S10	4	vartanian.in. and (friction or frictional) near2 fluid	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:28
S11	230	vartanian.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:29

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S12	23	vartanian.in. and (friction or frictional)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:54
S13	1	("3899432").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 15:54
S14	12	("3899432").URPN.	USPAT	OR	OFF	2006/06/05 16:06
S15	6	(polyalkenyl sulfonate or (polyalkylene sulfonic acid same (alkali metal or alkaline earth metal))) and TBN and vinylidene	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/05 17:04
S16	8	(polyalkenyl sulfonate or ((polyalkylene or polyisobutylene or polyisobutene) adj sulfonic acid same (alkali metal or alkaline earth metal))) and TBN and vinylidene	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/05 17:04
S17	2	S16 not S15	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/05 16:37
S18	1	("5674819").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/05 16:39
S19	17	("3496105"   "4105647"   "4157432"   "4159956"   "4159957"   "4159958"   "4159959"   "4361658"   "4778614"   "5328960"   "5389271"   "5408018"   "5448000"   "5804094"   "5922655"   "5929003").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/05 16:40
S20	3	(polyalkenyl sulfonate or ((polyalkylene or polyisobutylene or polyisobutene) adj sulfonic acid and (alkali metal or alkaline earth metal))) and TBN and vinylidene	EPO; JPO; DERWENT	ADJ	ON	2006/06/05 17:06
S21	10	508/390.ccls. and (polyalkenyl or polyalkylene or polyisobutylene or polyisobutene) and (alkali metal or alkaline earth metal) and TBN and vinylidene	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/05 17:07
S22	2	S21 not S16	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/06/05 17:07